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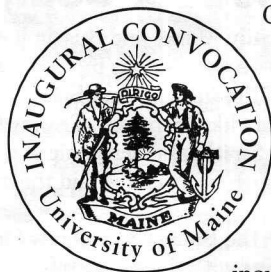
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Photo by Monty Rand

Inaugural Convocation to Celebrate University's Role as a Land Grant, Maine's Flagship Campus



"Redefining the Land Grant University" is the theme of two days of events planned around the Inaugural Convocation of the University of Maine's 17th President.

Peter S. Hoff will be inaugurated in a ceremony beginning at 10 a.m., Friday, Nov. 21, in Hutchins Concert Hall. Before and after the Inaugural Convocation Ceremony, special events are scheduled across campus, including a panel discussion on the land grant university and its significance for the 21st century. The two days of events are designed to celebrate the University community, acknowledge the academic leadership of Maine's flagship campus, and reaffirm UMaine's role as a land grant institution.

A fall convocation dedicated to highlighting the University's distinct mission – and its role as a land grant with a difference – is expected to become an annual event on campus.

"This is an auspicious and important time in the history of the University of Maine," says Bruce Wiersma, chair of the 26-member Inaugural Convocation Committee and dean of the College of Natural Sciences, Forestry and Agriculture. "The Inaugural Convocation is a formal, visible way of affirming the academic side of the institution. The committee is anxious to see all members of the University community participate in the events,

and feel welcome and a part of what this high-quality educational institution is all about."

Nearly 5,000 invitations have been sent to people off-campus to attend the Inaugural Convocation ceremony as guests or representative delegates. All expenses for the two days of events are being paid for by private donations.

On the eve of the Inaugural Convocation, a late-afternoon reception is planned for classified and professional employees at the President's House, hosted by Peter and Dianne Hoff. A Hutchins Concert Hall performance that evening will feature the UMaine Symphonic Band and the Old Town High School Wind Ensemble. In Lengyel Hall that night, there will be a student-sponsored concert.

The day of the Inaugural Convocation will open with a University community breakfast in the Damn Yankee, where music will be provided by the Orono High School Band and Chorus. Weather permitting, a procession will depart from the Union and traverse the Mall before making its way to the Maine Center for the Arts for the ceremony.

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As a service to the University community, costs of producing Maine Perspective are underwritten by University Printing Services.

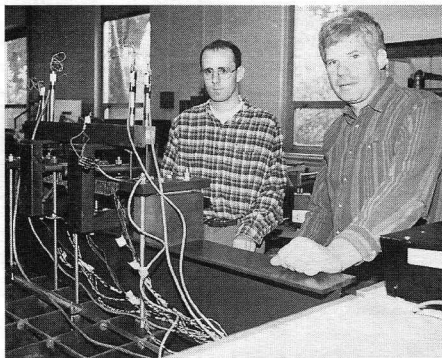
Maine Perspective

A PUBLICATION
FOR THE
UNIVERSITY OF
MAINE

VOL. 9, NO. 6
NOVEMBER 3, 1997

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Vol. 9,
No. 6
Nov. 3,
1997

UMaine Engineers Work with NASA on New Space Vehicle



Researchers Ryan Gauthier and Vincent Caccese

UMaine's mechanical engineering students are taking their skills to new heights in a project with the National Aeronautics and Space Administration. Under guidance from Vincent Caccese, associate professor of mechanical engineering, graduate and under-

graduate students are evaluating structural components of NASA's new X-38 spacecraft.

"This vehicle will be used in emergencies by the crew of the new international space station," says Caccese. "It will most likely sit in the environment of space without being used for long periods of time. We're making sure that the joints which hold the carbon fiber skin to the frame won't deteriorate and will function properly under stress."

The X-38 uses an outer skin of composite carbon fiber panels attached to an aluminum frame. With grant support from NASA, Caccese has studied the structural integrity of the panels which could be subject to damage in space, as well as during launch and re-entry to the Earth's atmosphere.

He and Ryan Gauthier, a master's degree candidate, are now testing the joint which holds the panels to the frame. In their Crosby Lab testing laboratory, Caccese and Gauthier have developed a bench-top testing device rigged with sensors to measure strains and deflections as force is applied to a small section of panel material.

The skin panel is actually a sandwich. It consists of two carbon fiber sheets on the outside and a lightweight honeycomb-shaped phenolic on the inside. At each joint, the sheets taper to a flange which is fastened to the frame by bolts.

In tests conducted Oct. 27-28, the panel withstood loads up to about 2,000 pounds. As they applied more load, Caccese and the students heard a cracking sound and watched the carbon layers begin to separate.

"There is no perfect material. Given that a failure will occur eventually, this is the type of failure you'd like to see during this type of test," says Tammy Long of Houston, a structural engineer who oversees the tests for NASA. "You don't want it to shatter like glass."

The test results will enable Long to verify computer models of the X-38 and to develop more robust designs. Additional tests must still be conducted on the full-size panels themselves. The X-38 is scheduled for its first space flight in 2000.

In addition to this specific testing program, a group of mechanical engineering seniors is working on other aspects of the X-38 design. The NASA project is one example of activities in which mechanical engineering students are applying new techniques to practical problems being faced in industry. ▲

MAINE PERSPECTIVE PUBLISHING SCHEDULE

The fall publication schedule for *Maine Perspective* is Nov. 17 (deadline Nov. 7); Dec. 1 (deadline Nov. 21).



A pair of groundbreaking ceremonies for Harold Alfond Stadium and Morse Field highlighted Homecoming Weekend last month. A donor recognition ceremony was held on the football field shortly before kickoff. After the game, fans looked on as a backhoe broke ground on the field. On hand for the events were, left to right, Phillip Morse, Harold Alfond, President Peter Hoff, Director of Athletics and Recreation Suzanne Tyler and Susan Morse. The \$5 million sport stadium, with seating and accommodations for 10,000 spectators, is named for Alfond, whose \$2.5 million donation is the largest gift in support of the project. The all-weather playing surface, to be known as Morse Field, is named for the Morses, UMaine Class of 1964, who initially contributed \$1.5 million for the field and lights, and at the groundbreaking pledged an additional \$250,000 for the project.

Photo by Monty Rand

Russian Weekend Highlighted by Food for Soul, Mind, Body

Historically, Maine and Russia have numerous ties. Strong Maine-Russia connections include communities inhabited by Mainers of Russian descent, Sister City relationships, journeys by ambassadors like members of Surry Opera and the late Samantha Smith, and academic and cultural exchange programs. Together, such efforts have laid the groundwork for ongoing interchange.

Nov. 8-9, the Bangor Symphony Orchestra will celebrate these relationships with the presentation of "The Russian Weekend." The two days of food for the soul, the mind and the body are designed not only to celebrate the connections between the state and the country, but to enrich the network of Mainers who love Russia.

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Maine Perspective

Maine Perspective is published by the Department of Public Affairs
University of Maine • 5761 Howard A. Keyo Public Affairs Building
Orono, Maine 04469-5761 • 207/581-3745

Director of Public Affairs John Diamond • Executive Editor Margaret Nagle

Layout and Design by University of Maine Department of Public Affairs
Printed by University of Maine Printing Services

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UNIVERSITY OF
MAINE

UMaine Calendar

NOVEMBER 5-19

All events are free and open to the public unless otherwise specified. Any speaker not otherwise identified is a member of the University of Maine faculty, staff or student body. Send notices of upcoming campus events to: *Maine Perspective* Calendar, Public Affairs. Calendar of events listings MUST be typewritten and should be sent well in advance of the publication date. For more information, call x3745.

5 Wednesday

"NUNAVUT: Canada's New Territory," an illustrated lecture by Richard Jagels, part of Canada Week at UMaine, noon, Nov. 5, Bodwell Area, Maine Center for the Arts. x4220.

"Malaysia," by Selena Gabriel, part of the International Awareness Brown Bag Lunch Series, 12:10-1:30 p.m., Nov. 5, Totman Lounge, Union. x2905.

"Perspectives on the Future of Public Health in Maine," by Dr. Dora Mills, director, Maine Bureau of Health, part of the Healthspeak Luncheon Series, 12:15 p.m., Nov. 5, Bangor Lounges. x4194.

Maryann Hartman Awards Ceremony, 5-7 p.m., Nov. 5, Wells Conference Center.

6 Thursday

Web Design, a Fogler Library Web Training Workshop, 9 a.m., Nov. 6, Fogler Computer Classroom. Preregistration/fee. x1675.

"The Mainstreaming of National Public Radio: Theoretical Musings on the Public Sphere," by Mike McCauley, part of the Socialist and Marxist Studies Luncheon Series, 12:30 p.m., Nov. 6, Bangor Lounge, Union. x3861.

Introduction to URSUS, a Fogler Library Internet workshop, 1-2:30 p.m., Nov. 6, Fogler Computer Classroom. Preregistration. x1675.

10th Anniversary of Education Day: "We're Bringing Canada's North to You," featuring presentations on Northwest Coast peoples, Arctic perspectives and Nunavut "news," as well as presentation of the 5th K-12 Educator's Award, part of Canada Week at UMaine, 3:15-5:30 p.m., Nov. 6, Bodwell Area, Maine Center for the Arts. x4220.

Greek Torch Lighting, following a run from Bangor to Orono by members of the UMaine Greek community, and a march down College Avenue, part of Greek Week, 3:45 p.m., Nov. 6, Library steps.

"The Dramatic Charm of Jean-Jacques Rousseau: Politics and Theatre in the 18th Century," by Sarah Cunningham, part of the Philosophy Department Colloquium Series, 4 p.m., Nov. 6, Levinson Room, Maples. x3865.

End of Second Third of Semester for withdrawals, 4:30 p.m., Nov. 6.

Men's Basketball: Exhibition Game, featuring team from Yugoslavia, 7:30 p.m., Nov. 6. Admission fee. xBEAR.

Old Town High School Jazz Band in Concert, 7:30 p.m., Nov. 6, Hauck Auditorium. Admission fee.

Thursday Night at the Bear's Den with Motor Plant, offered by the Union Board, 9 p.m., Nov. 6, Union. x1734.

7 Friday

"Experimental Graduate Training Through Two NOAA/SG Fellowship Programs: Fellow Perspectives," featuring Greg Balco, 1997 Knauss Fellow from UMaine; Luke Nachbar, 1997 Knauss Fellow from UNH; Alison Ward, NOAA Coastal Services Center Coastal Management Fellow from Alaska; Stephanie Wall, NOAA Coastal Management Program Fellow from UMaine, part of the School of Marine Sciences Seminar Series, 11 a.m., Nov. 7, 220 Libby Hall. x4381.

Performance by the Bregman BeBop Band, part of the Jazz TGIF series, offered by the Union Board, 12:15 p.m., Nov. 7, Damn Yankee. x1734.

"Using a Systematic Approach to Service Delivery in a Mental Health Setting," by Susan Riley and graduate students Jennifer Haley and Susan Burgess, part of the Department of Communication Disorders Fall 1997 Colloquium Series, 12:30-1:30 p.m., Nov. 7, 121 North Stevens Hall.

"Metabolic Alterations During Acclimation to Hypoxia in Maize," by Justin Roberts, UC-Riverside, part of the Department of Biological Sciences Seminar Series, 3:10 p.m., Nov. 7, 102 Murray Hall. x2558.

"Thinking Egyptian," by Ellen Schiferl, professor of art, University of Southern Maine, offered by the Hudson Museum in conjunction with the exhibit, *Egypt, Beyond Time*, 3:30 p.m., Nov. 7, Bodwell Area, Maine Center for the Arts. x1901.

Greek Sing/Talent Show, part of Greek Week, 5 p.m., Nov. 7, Wells Conference Center.

Animation Film Series: Gundam 08th MS Team, episodes 1-3, and *Macross Plus: The Movie*, 6:30 p.m. and 9 p.m., Nov. 7, 100 Corbett Business Building. x1734.

"Expedition Inspiration," by Mary Yeo of Cumberland Center, one of 16 breast cancer survivors on Expedition Inspiration, a team that climbed Aconcagua, the highest mountain in the Western Hemisphere, offered by Maine Bound, Campus Living and the Appalachian Mountain Club, 7 p.m., Nov. 7, 100 Neville Hall. A fund-raising walk to benefit breast cancer research will be held Saturday, Nov. 8 at Acadia National Park. To participate, call 827-7668 evenings.

Women's Basketball: Exhibition Game, featuring team from Slovakia, 7:30 p.m., Nov. 7. Admission fee. xBEAR.

Performance by Chanterelle, featuring music in the Franco-American/Québécois tradition, part of Canada Week at UMaine, 7:30 p.m., Nov. 7, Damn Yankee. x4220.

8 Saturday

10th Annual Culturefest, a celebration of cultural diversity featuring exhibits of posters, maps, videos, music, art, clothing, games; a food court; a talent show, including performances of song, dance, and various other demonstrations; and a hands-on children's exhibit with students telling stories, and teaching songs and dances, offered by the Office of International Programs, 11 a.m.-6 p.m., Nov. 8, Union. x2905.

Greek Community Service Day, part of Greek Week, beginning 11:30 a.m., Nov. 8.

Movie: Grosse Pointe Blank, offered by the Union Board, 6:30 p.m. and 9:15 p.m., Nov. 8, 100 Corbett Business Building. Admission fee. x1734.

Bangor Symphony Orchestra Family Casual Concert, part of the Russian Weekend, 7 p.m., Nov. 8, Hutchins Concert Hall, Maine Center for the Arts. Admission fee. Concert preview by Dave Klocko, 6:15 p.m., Minsky Recital Hall. 942-5555.

Dance with Beat Roots, 9 p.m., Nov. 8, Damn Yankee. x1734.

Men's Ice Hockey: UMaine vs. Boston University, 7 p.m., Nov. 8. Admission fee. xBEAR.

9 Sunday

Greek Games, part of Greek Week, 11:30 a.m., Nov. 9, Mall. (Games postponed in inclement weather.)

Bangor Symphony Orchestra in Concert, featuring works of Rimsky Korsakov, Tchaikovsky and Shostakovich, part of the Russian Weekend, 3 p.m., Nov. 9, Hutchins Concert Hall, Maine Center for the Arts. Admission fee. Concert preview by Dave Klocko, 2 p.m., Minsky Recital Hall. 942-5555.

10 Monday

"What Is Diversity?" by Gary King, part of the Department of Wildlife Ecology Fall Seminar Series, noon, Nov. 10, 204 Nutting Hall. x2869.

"Weeds and What They Tell Us," by Adriane Quimby, a Landscape Horticulture Senior Seminar, 2 p.m., Nov. 10, Lown Rooms, Union.

11 Tuesday

The UMaine Experience Open House, coordinated by Admissions, Nov. 11.

Spring Registration Begins Nov. 11.

Presentation Software, a Fogler Multimedia Workshop, 9 a.m., Nov. 11, Fogler Computer Classroom. Preregistration/fee. x1675.

"New Methods for Trace Analysis in Natural Waters: Application Studies of the Redox Dynamics of Iron and Oxygen Radicals in the Ocean and Lakes," by Whitney King, Department of Chemistry, Colby College, a Department of Chemistry seminar, 11 a.m., Nov. 11, 316 Aubert Hall. x1178.

POW/MIA VIGIL, offered by UMaine Army and Navy ROTC, a Veterans Day Observance, 11 a.m.-11p.m., Nov. 11, Fogler Library steps.

"Reflections on the 25th Anniversary of Title IX Intended and Unintended Outcomes for Women's

Athletics," by Sue Estler and Sue Tyler, part of the Women in the Curriculum Luncheon Series, 12:15 p.m., Nov. 11, Bangor Lounge, Union. x1228.

Scholarly Communication on the Net, a Fogler Library Internet workshop, 1-3 p.m., Nov. 11, Fogler Computer Classroom. Preregistration. x1675.

Retreat Ceremony, offered by UMaine Army and Navy ROTC, a Veterans Day Observance, 3:30 p.m., Nov. 11, at the flagpole overlooking Stillwater River.

Adult CPR Instruction, 6 p.m., Nov. 11, Maine Bound office, Union. Preregistration/fee. x1794.

Navigating the Net, a Fogler Library Internet workshop, 6-8 p.m., Nov. 11, Fogler Computer Classroom. Preregistration. x1675.

Coffee House with Michael Gulezian, offered by the Union Board, 8 p.m., Nov. 11, Peabody Lounge, Union. x1734.

12 Wednesday

Credit by Exam/Placement Exam, French, German and Spanish, 6 p.m., Nov. 12, 213 Little Hall. Registration deadline, 2 p.m., Nov. 12, Department of Modern Languages & Classics.

"Breaking the Surface," by Olympic Diver Greg Louganis, offered by the Guest Lecture Series, 7 p.m., Nov. 12, Hutchins Concert Hall. x1777.

Men's Basketball: UMaine vs. Boston Amateur Basketball Club, exhibition game, 7:30 p.m., Nov. 12. Admission fee. xBEAR.

13 Thursday

Advanced HTML, a Fogler Library Web Training Workshop, 9 a.m., Nov. 13, Fogler Computer Classroom. Preregistration/fee. x1675.

"Self-care Stress Reduction," by Martha Ohrenberger, certified massage practitioner, part of the Employee Assistance Program Brown Bag Luncheon Series, noon, Nov. 13, Bangor Lounge, Union. x4014.

"Understanding Mass Culture: McLuhan, Marxism and the Media," by Paul Grosswiler, part of the Socialist and Marxist Studies Luncheon Series, 12:30 p.m., Nov. 13, Lown Room, Union. x3861.

"South of the Border Big Wall Climbing," a slide lecture by Colorado rock climber Kurt Smith, offered by Maine Bound, 7 p.m., Nov. 13, 100 Neville. x1794.

UMaine Jazz Ensemble – Autumn Concert, directed by Karel Lidral, part of the School of Performing Arts season, 7:30 p.m., Nov. 13, Minsky Hall. Admission fee. x1755.

Ongoing Events

Academic Activities/Events

Canada Week, Nov. 4-7.

"Silent Spring at 35: Reassessing the Environmental Movement," Nov. 18-20.

"The University of Maine: Redefining the Land Grant University," the Inaugural Convocation of Dr. Peter Hoff, Nov. 20-21.

Conferences/Seminars/Workshops

Generic Hazard Communication Training Sessions, offered by the Department of Environmental Health and Safety, 9-10 a.m., Nov. 5, 100 Neville Hall; 9-10 a.m., Dec. 3, 100 Neville Hall. x4055.

Wilderness First Aid, Wilderness First Responder, Wilderness EMT Review Course, 8:30 a.m., Nov. 8-9, Maine Bound office, Union. Preregistration/fee. x1794.

VDI Training Sessions, offered by Human Resources, 9-10 a.m., 10:30-11:30 a.m. and 1-2 p.m., Nov. 18, 220-224 Corbett Hall. Preregistration required. x2368 or x2377.

Entertainment

Unidentified Human Remains and the True Nature of Love, directed by Claude Andre Giroux, part of the School of Performing Arts season, 7:30 p.m., Nov. 6-8; 2 p.m., Nov. 9, Cyrus Pavilion. Admission fee. x1755.

Model Train Talks and Exhibits: "A Whistle Stop Lunch," featuring a presentation by Bill Soule, member of the Maine Model Railroad Club, discussing the history of model railroading, noon-1 p.m., Nov. 7; a presentation by Richard Sprague and Wayne Duplisea, B&A Railroad retirees, discussing the impact of the railroad on the state, noon-1 p.m., Nov. 8; and a demonstration and discussion of operating a model train exhibit, 7 p.m., Nov. 7-8, Page Farm and Home Museum. x4100.

Russian Weekend, offered by the Bangor Symphony Orchestra in cooperation with the College of Liberal Arts and Sciences, featuring music, a conference: "Maine and Russia Through Time," and a Gala Russian Feast, Nov. 8-9. Admission fee. 942-5555.

Exhibits/Demonstrations/Tours

Charles Garabedian: Cultural Escape, a Museum of Art exhibit, through Nov. 22, 1938 Gallery, Carnegie Hall. x3255.

Circumstance and Intuition: German Works on Paper, a Museum of Art exhibit, through Nov. 22, Carnegie Gallery, Carnegie Hall. x3255.

Empires Emerging: Collecting the Peruvian Past, a Hudson Museum exhibit, through April 26, Maine Center for the Arts. x1901.

Maine Forest and Logging Museum – Leonard's Mills, open daily 9 a.m.-dark, Bradley. x2871.

University of Maine Museum of Art open Monday-Saturday, 9 a.m.-4:30 p.m. x3255.

Page Farm and Home Museum open Tuesday-Saturday, 9 a.m.-4 p.m. x4100.

Hudson Museum open Tuesday-Friday, 9 a.m.-4 p.m.; Saturday-Sunday, 11 a.m.-4 p.m. x1901.

Meetings of Groups/Organizations

Foreign Language Tables: Monday - French; Tuesday - Russian; Wednesday - German; Thursday - Spanish, all noon-1 p.m., 207 Little Hall. x2073.

International Folk Dancing, every Sunday, 7-9 p.m., beginners welcome, no partner needed, FFA Room, Union. 827-2324.

Nontraditional Student/Commuter Social Hour, every Tuesday, 11:30 a.m., Commuter Lounge, Union. x1734.

Maine Peace Action Committee Meeting, every Wednesday, 4 p.m., Weisz Room, Maples. x3860.

Acoustic Jam, 6 p.m., every Wednesday, Lown Room, Union.

International Coffee Hour, every Friday, 4 p.m., Peabody Lounge, Union. x2905.

Newman Center: Sunday masses, 10:30 a.m. and 6:15 p.m.; weekday liturgies, 4:45 p.m., with communion service Monday-Tuesday, mass Wednesday-Thursday.

**Continuing Education Division
Open House**

"The Storefront," Union
4-6 p.m., Nov. 12
noon-2 p.m., Nov. 13-14
Academic Advising,
Winter Session Registration,
Travel Study Courses & more
Hourly door prizes, grand prize,
refreshments

14 Friday

"Coastal Ecological Research in the Gulf of Maine on Lobsters, Crabs, Sea Urchins and Kelp: Some Practical and Theoretical Questions Worth Hundreds of Millions of Dollars," by Bob Steneck, Dough McNaught, Alvaro Palma, Carl Wilson and Steff Zimsen, part of the School of Marine Sciences Seminar Series, 11 a.m., Nov. 14, 220 Libby Hall. x4381.

Performance by the Old Town High School Jazz Ensemble, part of the Jazz TGIF series, offered by the Union Board, 12:15 p.m., Nov. 14, Damn Yankee. x1734.

"The Texture of Slowly Crystallized Basalt and Its Role in Igneous Differentiation: A Field and Experimental Study of One of the Fundamental Problems of Petrology," by Anthony Philpotts, University of Connecticut, a Department of Geological Sciences Seminar, 3 p.m., Nov. 14, 100 Bryant Global Sciences Center. x2165.

"Nodulin 26: Studies of a Major Intrinsic Channel Protein on the Symbiosome Membrane of N-fixing Soybean Root Nodules," by Dan Roberts, University of Tennessee, part of the Department of Biological Sciences Seminar Series, 3:10 p.m., Nov. 14, 102 Murray Hall. x2558.

Animation Film Series: *Lapunta: Castle in the Sky*, and *Magic Knights Rayearth*, episodes 1-4, 6:30 p.m. and 9 p.m., Nov. 14, 100 Corbett Business Building. x1734.

Men's Ice Hockey: UMaine vs. Merrimack, 7 p.m., Nov. 14. Admission fee. xBEAR.

Comedy Café with John Keating and Gary Gulman, offered by the Union Board, 9 p.m., Nov. 14, Damn Yankee. Admission fee. x1734.

15 Saturday

Women's Ice Hockey: UMaine vs. Sacred Heart, 1 p.m., Nov. 15. Admission fee. xBEAR.

Men's Ice Hockey: UMaine vs. Merrimack, 7 p.m., Nov. 15. Admission fee. xBEAR.

Performance by the Flying Bulgar Klezmer Band, part of the Maine Center for the Arts performance season, 8 p.m., Nov. 15, Hutchins Concert Hall. Admission fee. x1755.

16 Sunday

Women's Basketball: Exhibition Game, featuring team from Rossinka-Moscow, 1 p.m., Nov. 16. Admission fee. xBEAR.

17 Monday

WordArt, Tables, Drawing, an IT Windows Workshop, 10 a.m., Nov. 17, 111 Corbett Business Building. Preregistration/fee. x1638.

"Challenges and Solutions to Linking Biodiversity, Policy and Economics: A Case Study in Coastal Oregon," by Bill McComb, University of Massachusetts, part of the Department of Wildlife Ecology Fall Seminar Series, noon, Nov. 17, 204 Nutting Hall. x2869.

"Wetland Recreation," by Melissa Jones, a Landscape Horticulture Senior Seminar, 2 p.m., Nov. 17, Lown Rooms, Union.

"Human Information Processing Capabilities and Digital Reality," by George Markowsky, part of the Computer Science Department Seminar Series, 4:10 p.m., Nov. 17, 115 Corbett Business Building.

Men's Basketball: UMaine vs. University of Maine at Presque Isle, 7:30 p.m., Nov. 17. Admission fee. xBEAR.

18 Tuesday

Adobe Illustrator, a Fogler Library Multimedia Workshop, 9 a.m., Nov. 18, Fogler Computer Classroom. Preregistration/fee. x1675.

"Excited-State Coordination Chemistry: A New Quenching Mechanism," by Harry Gafney, NSF and Queens College, a Department of Chemistry seminar, 11 a.m., Nov. 18, 316 Aubert Hall. x1178.

"Women's Reproductive Health on the Meskito Coast, Nicaragua: A Report from the Field," by Jean Symonds and Anna Allocco, part of the Women in the Curriculum Luncheon Series, 12:15 p.m., Nov. 18, Bangor Lounge, Union.

PowerPoint, Intro, an IT Windows Workshop, 12:30 p.m., Nov. 18, 111 Corbett Business Building. Preregistration/fee. x1638.

Rachel Carson's *Silent Spring*, video presentation of a 1993 PBS special, moderated by Naomi Jacobs, part of "*Silent Spring* at 35: Reassessing the Environmental Movement," offered by the English Department, 4 p.m., Nov. 18, Sutton Lounge, Union. x3818.

Pediatric CPR/Basic Life Support, 6 p.m., Nov. 18, Maine Bound office, Union. Preregistration/fee. x1794.

"Seekers of the Supernatural," by Maureen and Ed Warren, offered by Guest Lecture Series, 7 p.m., Nov. 18, Hutchins Concert Hall, Maine Center for the Arts. x1777.

University of Maine Percussion Ensemble Concert – Autumn, directed by Stuart Marrs, part of the School of Performing Arts season, 7:30 p.m., Nov. 18, Minsky Hall. Admission fee. x1755.

19 Wednesday

"Komi Republic, Russian Federation," by Kyle Parker, part of the International Awareness Brown Bag Lunch Series, 12:10-1:30 p.m., Nov. 19, Totman Lounge, Union.

Faculty Senate Meeting, 3 p.m., Nov. 19, Dexter Lounge. x1167.

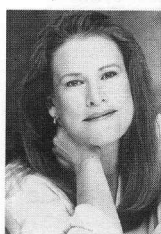
"The Impact of Rachel Carson," featuring the 1963 video, *The Silent Spring of Rachel Carson*, and a faculty panel with Eleanor Groden, Roger King, Raymond O'Connor and Sharon Tisher, moderated by Howard Segal, part of "*Silent Spring* at 35: Reassessing the Environmental Movement," offered by the English Department, 3-5:30 p.m., Nov. 19, Bangor Lounge, Union. Followed by dinner at Hannibal Hamlin House, 5:45-7:30 p.m. x3818.

"Is Marriage Good or Bad for You? Controversies About What Students Are Taught," a panel discussion moderated by Sandy Gardner with Denise Baird, Marc Baranowski, Susan Greenwood, Stephen Marks and Robert Milardo, focusing on the controversial Institute for American Values report by Norval Glenn, University of Texas professor of sociology: "Closed Hearts, Closed Minds: The Textbook Story of Marriage," a Department of Sociology Colloquium, 3:15 p.m., Nov. 19, Peabody Lounge, Union.

Look Who's On Campus



Olympic diver Greg Louganis will speak Wednesday, Nov. 12, 7 p.m., in Hutchins Concert Hall as part of the Guest Lecture Series. Louganis has repeatedly made Olympic history, winning his first silver medal in platform diving in 1976, and becoming the first man in 56 years to win two gold medals in platform and springboard diving events in 1984. In 1988, he became the first man to win double gold medals for diving in two consecutive Olympics. Louganis also is a role model as an openly gay athlete and a person who is HIV positive. His 1995 autobiography, *Breaking the Silence*, was a *New York Times* bestseller. Today, Louganis is an actor and sports broadcaster.



Kaiulani Lee, a writer and actress from the Washington, D.C., area, will present *A Sense of Wonder*, her one-woman play about the life of Rachel Carson, author of *Silent Spring* and founder of the modern environmental movement, at 8 p.m. Wednesday, Nov. 19 in Hauck Auditorium. Lee has presented the two-act play to audiences throughout the country. Lee has more than 20 years of experience in the theater. She has guest starred in several television series, and appeared in such films as *The World According to Garp*.

Oral Exams

"Strategies for the Development of a National Nutrient Data Base," by Pauline Samuda, candidate for Ph.D. in food and nutrition sciences, 11 a.m., Nov. 11, 14 Merrill Hall.

"Structuring Wayfinding Tasks with Image Schemata," by Martin Raubal, candidate for master's degree in spatial information science and engineering, 1 p.m., Nov. 24, 336 Boardman Hall.

People in Perspective

Wayne Hesseltine was an Old Town High School senior when he walked into the University of Maine's Placement Bureau (now the Career Center) and began an internship to fulfill a business course requirement.

That was 38 years ago.

Hesseltine has made a career out of helping others find careers. And for almost four decades, he has done so in his affiliation with the same office – the University's Career Center.

"The best part of my job is working with students," says Hesseltine, an administrative assistant in the Career Center who, as the recruiting coordinator, is responsible for all on-campus career recruiting.

"They are all wonderful, even though some of them just don't yet know it. It's important for students to realize how valuable they are as people. What's great about helping students with their career development is convincing them that they do have something to offer."

For as long as he can remember, Hesseltine wanted to be involved in a business or office environment. His introduction to the University was in January 1959 as a high school intern in the Career Center, then directed by Phillip Brockway. By March, Hesseltine was offered a job as stenographer in what was then a two-person office. By late summer, Brockway and Hesseltine were joined by a new secretary, Lorraine Hachey.

The professional and personal bonds that developed between the three lasted a lifetime.

Brockway had directed the University's Placement Bureau, which became the Career Center, since 1935. It was from Brockway, who retired from UMaine after a 39-year career, that Hesseltine learned how to be professional, and compassionate and caring about students. He also learned to think fast.

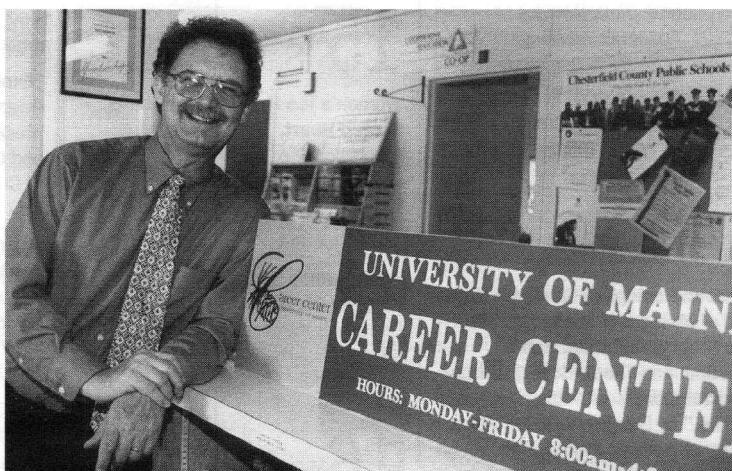
"A couple months after I started, Phil took me to the Union where companies were conducting interviews with seniors looking for jobs. He introduced me to three or four people, showed me what to do and walked away. I was 18 and scared to death. But I learned so many important lessons," remembers Hesseltine, who for the first few years was often questioned about his age by UMaine students.

"He influenced me more in my worklife than any other person," says Hesseltine. "I learned about students from him. Even today, I am reminded of him."

While Brockway was a role model, Hachey was the co-worker with whom Hesseltine spent almost four decades in the Career Center. Hachey retired from UMaine this year after 42 years.

"My work at the Career Center has not been just a job, but more like a marriage," says Hesseltine, whose own 35-year marriage to his wife, Brenda, is shorter than his tenure at UMaine. "It would feel like I was getting a divorce if I ever left. My career has revolved around wonderful students, and sometimes their children – the next generation of UMaine students."

While Hesseltine has continually worked for the Career Center, his office has been in five different locations on campus. The Center was located in East Annex for two years while Shibles Hall was built. It moved to Shibles and remained for five years before being relocated to the second floor of East Annex for seven years. Prior to its present home on the third floor of Chadbourne Hall, the Career Center was located in the lower level of Wingate for 15 years.



Wayne Hesseltine

Photo by Monty Rand

Since that first day when Brockway took him to the Union to work with students and company representatives, Hesseltine has continued to coordinate career recruiting efforts on campus. And while his job requires him to be a liaison between employers and students, Hesseltine's role has evolved with the changing job market.

"I have worked with some company recruiters for more than 20 years," says Hesseltine. "Today we have 100 companies that interview University of Maine students on campus. That's fewer recruiters than there were years ago."

"The job market has become more competitive for students," says Hesseltine. "It was wonderful 25 years ago when students made an appointment to talk to a counselor at the Career Center because they didn't know which of the six or nine job offers to accept. Today when we talk to students, we tell them the jobs are there, they just have to work harder to get them. Because it's the rare individual who can sit back and wait for the offers to come in today's world, we encourage students from their first year on campus to work with the Career Center."

Today, the Career Center, headed by Executive Manager Patty Counihan, offers a wide range of services and programs that promote effective career planning skills, teach job search strategies, and facilitate contacts between UMaine students and alumni, and employers. Resources available to students range from traditional individual career counseling to high-tech workshops such as the Electronic Job Search; CHOICES, an easy-to-use computer career guidance system; the Self-Help Career Lab, with extensive written and audio-visual materials; and a multitude of Internet resources, such as JOBTRAK on the Web.

"Students will tell us that we helped them so much," says Hesseltine, who was awarded a 1994 Outstanding Service Award for the difference he makes in the lives of students. "What they need to realize is that they worked with us in a collaborative effort, as a team. Sometimes we don't get to see the results, but when we do realize that they've gone on to graduate school or to careers, or return as recruiters, it makes all the hard work worthwhile."

Center Stage

School of Performing Arts

Unidentified Human Remains at Cyrus Pavilion

Claude Andre Giroux of British Columbia has chosen *Unidentified Human Remains and the True Nature of Love*, by fellow Canadian Brad Fraser, as his graduate thesis production. Production of this controversial script launches the season Nov. 6 at UMaine's intimate theatre, Cyrus Pavilion.

Giroux, a second-year graduate student in theatre, has wanted to produce *Unidentified Human Remains* since 1993 when, as an undergraduate at the University of Victoria, he played the leading role of David at the Belfry Theatre in Victoria. That same year he had the opportunity to meet Brad Fraser at the French Festival in Edmonton, and has followed his career and writing since.

Set in a North American city in the late 1980s, *Unidentified Human Remains* has been described as "seven characters in search of a relationship." Caught in a tangle of heterosexual and homosexual lifestyles, the onslaught of the AIDS epidemic, and the chilling reality of a serial killer of young women, the seven come together in a whirlwind of sex, illusion and fear.

Audiences should be aware that *Unidentified Human Remains and the True Nature of Love* contains mature subject matter, sexual situations, explicit language and brief nudity. It plays Nov. 6-8 at 7:30 p.m.; Nov. 9 at 2 p.m., Cyrus Pavilion.



The Jazz of Autumn

Spirited improvisations, great jazz standards and contemporary works will be featured when the Minsky Recital Hall swings to the music of the Jazz Ensemble and Jazz Combo Thursday, Nov. 13, at 7:30 p.m.

Fans of the spontaneous American artform can expect a full evening's program. Among the standards and originals to be performed, under the direction of Karel Lidral, are *Salt Peanuts*, a Dizzy Gillespie composition; *Birdland* by Josef Zawinul; and *L'il Darlin'* by Neal Hefti.

Prior to the autumn concert, the UMaine Jazz Combo performed for the Maine State Principals' Association during its annual meeting Oct. 23. The groups have a heavy performance schedule with a run-out concert at Ashland High School where David Gott, a former member of the Ensemble, is director of music. A second run-out is scheduled Nov. 14.

The Combo will play for TGIF on campus Nov. 21; the Ensemble on Dec. 5.

The Jazz Ensemble is the University's jazz big band, devoted to performing a wide variety of challenging, significant, diversified and contemporary literature within the genre. Membership is by audition and many of the members are accomplished improvisers and proficient on more than one instrument.

The Jazz Combo, formed in 1996, is a group of eight musicians, four of whom also play in the Ensemble. The organization offers a greater forum for jazz solo improvisation than normally exists in a larger group. Membership is by audition.

The Beat Goes On with UMaine's Percussion Ensemble

It's a relatively new genre. The explosion of compositions for percussion instruments began in 1960. Nov. 18 at 7:30 in Minsky Recital Hall, the Percussion Ensemble, under the direction of Stuart Marrs, will present melodies and rhythms from across the full spectrum of contemporary percussion literature.

Among the works on the Ensemble's program is *Toccata for Percussion Instruments* by Mexican composer Carlos Chávez. Considered one of the most important works of the percussion ensemble repertoire, Marrs schedules the composition for performance every four years so that each percussion student will have the opportunity to experience it. Marrs has played under the baton of Chávez several times in Latin America and considers the experience both exciting and inspirational.

Other featured works include: *Piece for Percussion* by Mitchell Peters; *Suite for Keyboard Percussion* by Joseph Westley Slater, which features a marimba quartet with four-mallet playing; and *Salsa*, a fusion of North American jazz with Afro-Latin rhythms.

The Percussion Ensemble toured southeastern France in July, performing two different programs as a group in five concerts. In addition, the ensemble members comprised the percussion section for the Orchestre Philharmonique Rhodanien, a professional quality philharmonic orchestra made up of students and professional musicians from 13 countries of Europe.

Nov. 15, Stuart Marrs appears at the Ted Mann Theatre, University of Minnesota, as one member of a two piano-two percussion ensemble. The performance is part of an all-Nebojsa Jovan Zivkovic concert. The duo will perform *Die Arten des Wassers*, a work by Zivkovic that had its American premiere by Percussiano at the Maine Center for the Arts in April 1996.

Gallery Glimpses

Thinking Egyptian

Ellen Schiferl, professor of art at the University of Southern Maine, will discuss and demonstrate an interactive computer program she has developed, "Thinking Egyptian." The event is set for 3:30 p.m., Friday, Nov. 7, Bodwell Area, Maine Center for the Arts. Schiferl's multimedia program combines photographs of Egyptian architecture, reproductions of ancient art, maps, text and graphics. The lecture is being held in conjunction with the Hudson exhibit, *Egypt, Beyond Time*.

DESIGN A NEW LOGO FOR THE COLLEGE OF LIBERAL ARTS AND SCIENCES

The new College of Liberal Arts and Sciences needs a logo for its promotional material and its college flag. The CLAS logo should evoke images of the liberal arts and sciences, and be suitable for reproduction as the college icon. A \$300 prize will be awarded the winning entry.

University of Maine students, faculty and staff are eligible to enter the logo contest. Classes, student organizations, clubs, fraternities and sororities may make collective submissions.

Logo designs should be submitted to the College of Liberal Arts and Sciences Office, 100 Stevens Hall, by noon, Nov. 30. Designs must be presented on 8 1/2 x 11 paper. Attach a second sheet of paper with the name of the individual or class/organization, address and phone number. All submissions become the property of the College of Liberal Arts and Sciences. Entries will be judged on creativity, originality and suitability for reproduction. The decision of judges is final.

'Little Books' Are Big Hits with Young Readers and Teachers



Photographers for the second series of "Little Books" were, left to right, UMaine students Joel Page, Dave Gagne.

A grade-school principal once told Paula Moore that using the "Little Books for Early Readers" was like teaching a child to play basketball: You start with a low hoop, then you raise it bit by bit.

Moore, an assistant professor of education, borrows that analogy to explain the concept behind the popular transitional reading series developed by Maine teachers and faculty at UMaine's College of Education and Human Development.

The small black-and-white books "lower the hoops" for youngsters in kindergarten and first grade, allowing them to grasp the earliest concepts of reading through words and photos of young children and what they do.

The books have themes of universal interest to children – playgrounds, cookouts, grandparents, animals and other kids, all based in rural Maine. They keep the process of learning to read simple and relevant, allowing children to focus on organizing and understanding pieces of information and how they fit together.

"This is all designed for children to make the transition through the reading-acquisition process," says Moore, director of UMaine's Center for Early Literacy, which initiated the "Little Books" project two years ago. "These books have helped change reading instruction in the primary grades. They give teachers better tools and children more opportunities for learning."

In Maine's public schools, Moore coordinates Reading Recovery and other early literacy programs that help teachers better understand how young children learn to read and to write. In her discussions with teachers, Moore found a scarcity of good instructional materials for 4-, 5- and 6-year-olds. Desire for better tools led to development of the first "Little Books" in 1995.

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Department of English Observes 'Silent Spring at 35'

Thirty-five years after scientist, writer and naturalist Rachel Carson launched the modern environmental movement with the book *Silent Spring*, her stark warning about the poisoning of the natural world remains as relevant as ever.

The book revealed how the pesticide DDT had devastated populations of birds and other wildlife. Though the chemical industry dismissed Carson as hysterical, determined to surrender the earth to the insects, her work led to a ban on DDT and the eventual formation of the Environmental Protection Agency.

Beginning Tuesday, Nov. 18, the Department of English will present a three-day celebration of the life and work of Carson, a marine biologist and writer with the U.S. Fish and Wildlife Service.

"*Silent Spring at 35: Reassessing the Environmental Movement*" will examine Carson's work from the viewpoints of English, philosophy and biology. It will include films, a faculty forum and a play about her life.

With ongoing debate about how to protect the environment, the program will play an important role in deepening understanding of Carson and in helping to examine our treatment of the natural world, organizers say.

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Taking a look at some of the "Little Books," including those for which they were photographed, are, left to right, Fiona Wilhelm, Deanna Power, Jasmine Wilhelm and Norah Bird. All four youngsters are the children of faculty in the College of Education and Human Development.

Nursing Fieldwork in Nicaragua Heightens Cultural Awareness

Margaret "Miki" Macdonald has seen how poverty can affect healthcare. As a master's degree candidate in nursing, she went to Nicaragua this summer with a team from the UMaine School of Nursing to help provide basic healthcare services in one of that country's poorest regions. The team was led by Jean Symonds, associate professor of nursing.

"Women's Reproductive Health on the Meskito Coast, Nicaragua: A Report from the Field," is the subject of a Women in the Curriculum and Women's Studies Lunch Series talk on Tuesday, Nov. 18, 12:15 p.m., Bangor Lounge, by Jean Symonds and student Anna Allocco.

Now, as part of an initiative with the School, Macdonald is working to ensure that future students have the same opportunity. With the help of the nursing faculty, she is developing a May Term elective for undergraduates who want to volunteer in Nicaragua. An informational session on the proposed May Term course is set for Monday, Nov. 17, 5 p.m., 140 Dunn Hall.

Such fieldwork increases the cultural sensitivity of nursing students, says Macdonald, in her second and final year in UMaine's Rural Family Nurse Practitioner Program. "When they're caring for people from diverse cultures, they'll be more understanding of people's differences and thus give better nursing care."

In the classroom, Symonds stresses the role of public service in nursing, and she pushes students to try new things that will help them grow professionally. She does the same in her career.

Two years ago, Symonds learned that a nursing instructor from the impoverished Meskito Coast of Nicaragua was visiting Bangor as a guest of Partners in Health, a group of Maine healthcare practitioners who volunteer their services in the Meskito Coast region. She saw the visit as the chance to make a professional connection with someone from another part of the world, and she invited the Nicaraguan nurse to visit the UMaine School of Nursing.

The next year, Symonds traveled to the Meskito Coast with a team from Partners in Health. There, she assisted and observed doctors and nurses in a university school of nursing and at a local hospital. Their dedication to providing the best care possible despite tight budgets and poor conditions amazed her.

continued on page 13

Inaugural Convocation *continued from page 1*

The colorful processional, featuring faculty and stage party dressed in regalia, led by UMaine Marching Band percussionists, will preview what promises to be a visually exciting and memorable event in Hutchins Concert Hall.

Music throughout the Inaugural Convocation will be provided from the balcony by the Symphonic Band, conducted by Associate Professor of Music Curvin Farnham. Opening the program will be a short video, produced by the Department of Public Affairs, depicting the heritage of the University of Maine.

The processional onto the Hutchins stage will be led by the 1997 Distinguished Maine Professor Irv Kornfield, carrying the ceremonial mace, followed by UMaine students bearing flags from the United Nations, Canada, Bulgaria and the 50 states. In keeping with flags representing the diversity of students, 73 international flags will hang above the stage. The United States colors will be presented by an ROTC Honor Guard.

Almost 150 faculty and emeriti professors, students, and other members of the University community are expected to participate in the processional. The almost 40-member stage party will include dignitaries bringing greetings to the president.

Presiding over the Inaugural Convocation will be Virginia Gibson, interim dean of the College of Business, Public Policy and Health. Presenter for the event will be Robert O'Neil, former president of the University of Virginia and former chairperson of the National Association of State Universities and Land Grant Colleges. Chancellor Terrence MacTaggart will conduct the investiture of Hoff as UMaine's 17th president. Hoff's Presidential Address will follow.

The Inaugural Convocation ceremony will culminate with a reception for guests and participants in the lobby of the Maine Center for the Arts.

That afternoon, the theme of the Inaugural Convocation and the Presidential Address will be the springboard for a panel discussion at 2:30 p.m., in Minsky Recital Hall. The panel, moderated by Bird and Bird Professor of History Howard Segal, will focus on the redefinition of the land grant university and its significance for the 21st century. Panelists will include President Peter Hoff; Robert O'Neil; Alan Marcus, professor of history and director of the Center for Historical Studies of Technology and Science at Iowa State University; and Ryan Carnegie, president of the UMaine Association of Graduate Students and a graduate student in the School of Marine Sciences.

"Many people in the state and nationally have little idea of what a land grant university means today," says Segal, who heads the program subcommittee of the Inaugural Convocation Committee. "The purpose of the afternoon panel is to delve deeper into the overall theme of the Inauguration, providing historical and contemporary perspectives on the changing nature of land grants in general, and the University in particular." ▲

VOICE

Volunteers In Community Efforts

VOICE (Volunteers in Community Efforts) promotes volunteerism, acting as a clearinghouse for students, faculty, staff, and community members interested in making a difference in the local community. For more information, 581-1796.

▼ VOICE would like to thank everyone who participated in Make a Difference Day Oct. 25. The volunteer efforts were a great success.

▼ For more information on Adopt-A-School programs, stop by the VOICE office on the second floor of the Union.

UMaine Cooperative Extension

Getting youngsters ready to start kindergarten involves much more than picking out a new lunchbox or notebook. In August, a dozen kindergartners started school in Piscataquis County specially equipped with skills to succeed as a result of their participation in University of Maine Cooperative Extension's Applaud and Assist Parents as Teachers program.

Applaud and Assist, the only one of its kind in Maine, is a voluntary program that focuses on educating parents, parents-to-be and caregivers about child development, and teaches children social skills. The program features home visits by certified parent educators, a parenting newsletter and playgroups for parents and their children – infants, toddlers and preschoolers. This year, 97 families are participating.

In-home visits provide information and tips on parenting, often enhancing the good parenting practices that are already occurring and reinforcing that parents are the best teachers. Parents get involved for reassurance, support and information – not necessarily the answers to the issues they face. Their most-asked questions concern discipline and nutrition.

Through the hour-and-a-half-long playgroups at five schools in four districts during the academic year, preschool youngsters and their parents become familiar with the academic setting. A sense of community develops in the school as older children come to recognize the youngsters as future students. In addition, the playgroups incorporate a computer component to familiarize parents and children with schools' technological resources. For some of the parents, it is their first introduction to the Internet.

Many of the results of Applaud and Assist in Piscataquis County are tangible. Participants surveyed reported living healthier, and in less social isolation and in more stable housing. Just as important, parents and caregivers noted that they have more patience, communication and reading time with children. One great-grandmother, a primary caregiver, noted that she is "having more fun" with her great-grandchild. Their experiences in the program form the building blocks to greater independence and self-confidence – keys to being good parents and students.

The Parents as Teachers program has been available nationwide for the past eight years for youngster newborn to age 3, and ages 3-5. By adding a school-readiness component in Piscataquis County, Extension offers programming otherwise not available to young children and their parents living in this rural north-central area of Maine where there are no Head Start and few nursery school programs.

"What we're seeing, and what school officials have been saying about the first day of kindergarten, is there is so much youngsters are missing. Teachers say the children are not familiar with crayons or with being in groups. That's where we can help most," says Extension educator Jane Conroy, who has headed the program since its start in 1995. "We can help schools by having children and their parents ready for that first day – and beyond."

WINTER PARKING RULES IN EFFECT

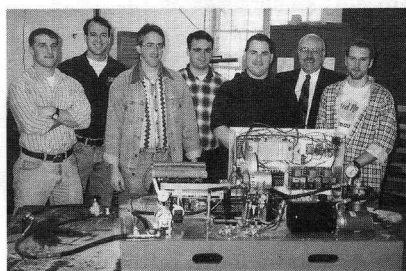
The University of Maine's winter overnight parking ban is in effect through May 1, according to the UMaine Department of Public Safety.

All faculty, staff and commuter parking areas are closed to overnight parking during this period every year. No vehicles may be parked in these lots between midnight and 6 a.m.

Individuals with questions should either consult a parking map or call the Parking Office, 581-4047, or the Public Safety dispatcher, 581-4040. Vehicles parked in violation of the ban will be towed at owners' expense.

The CUTTING EDGE

University of Maine Research on the Frontiers of Science



An Award-winning Model Wood Processor

Cut it, load it, saw it and split it. That's a tune familiar to every firewood supplier. Now, seven UMaine undergraduates have added a new high-tech note as part of their entry in the

1997 National Fluid Power Design Competition.

The team's entry is a scale model wood processor controlled by light-activated sensors and a programmable logic controller (PLC). In a series of steps, the machine guides a stick-sized log to a cut-off saw, clamps it, cuts it and splits it into stove wood.

"Writing the codes for the PLC was the most difficult task. It got to be a lot more complicated than we expected. It has to turn each component on in sequence, but it also has to turn each one off," says team leader Russell Hall of Berwick.

Hall is a senior who is scheduled to graduate in December. He and his fellow students worked under the guidance of Tom Christensen, associate professor in the Department of Biosystem Science and Engineering. The students designed and built the machine last spring as part of a course in fluid power and robotics. Their entry placed in the top 10 in the nation out of a field of 25 entries in the spring competition, sponsored by the National Fluid Power Distributors Association.

"The technical details were difficult but manageable," Hall says. "Getting the group to work well together was the hardest."

Hall estimates that the finished model uses equipment valued at about \$6,000. Properly sized motors accounted for the largest single expense, but the team saved money by milling and welding most of the structural pieces. The machine will continue to be used for classroom study and demonstrations.

Wrapping It Up

Shrinkwrapping has become a way of life – and now a way of education. A team of UMaine undergraduate engineering students is participating in a national competition to come up with a new type of packaging that saves energy and treats its contents with care.

The students have to design and produce a waterproof, energy-efficient package using standard materials available in the pulp and paper industry. The ultimate test will be next September when the container will be filled with water and a raw egg. It will then be dropped 20 feet onto a solid surface. The goal is for the egg not to break and the package not to leak.

The students are guided in their efforts by Douglas Bousfield, associate professor of chemical engineering, with assistance from Michael Boyle, associate professor of mechanical engineering, and John Hwalek, also an associate professor of chemical engineering.

The competition is sponsored by the U.S. Department of Energy through the Institute for Paper Science and Technology. Bousfield's team has already received a \$2,000 seed grant for materials. The competitors include nine other student teams from schools such as Georgia Tech, San Diego State, North Carolina State and Clarkson. The final competition will be at the Georgia Tech in Atlanta next September.

The winning team will receive a \$15,000 cash award to be given to the university.

Scientists Trying to Turn the Red Tide

Red tide, a costly and sometimes life-threatening problem for the shellfish industry and consumers, will come under the scrutiny of faculty and graduate students in the School of Marine Sciences in a research program scheduled to start in 1998.

They will join scientists from other institutions in the U.S. and Canada, including the University of New Hampshire, Woods Hole Oceanographic Institution and Bigelow Laboratory for Ocean Sciences, in plying the Gulf of Maine from Casco Bay and Massachusetts Bay to Georges Bank and the Bay of Fundy. Their research has earned more than \$5 million in grant support from two federal agencies, the National Science Foundation and the National Oceanic and Atmospheric Administration.

The UMaine portion will total about \$1.2 million over the next five years. David Townsend, a biological oceanographer in the School, wrote the grant proposal with Donald Anderson of the Woods Hole Oceanographic Institution. Other UMaine SMS faculty involved are Neal Pettigrew and Andrew Thomas.

"We have hypotheses involving light levels and nutrient ratios about why the organisms that cause red tide behave the way they do, but there are a lot of unknowns," says Townsend. "We'll have 16 scientists from 11 institutions working on this problem on the coast of Maine."

The effort is part of a national program known as the Ecology and Oceanography of Harmful Algal Blooms or ECOHAB. The Gulf of Maine proposal was one of only two ECOHAB grants awarded nationwide.

Toxic algal blooms have occurred with increasing regularity along the U.S. coastline and in other parts of the world. Pollution is considered a prime suspect, but natural factors are also at work. Those factors include conditions such as water chemistry, winds and currents which promote the growth of harmful algae.

The term "red tide" refers to a pigment the algae use for photosynthesis. In some areas, algal blooms can stain the water red, but it's the toxins in the algae that cause problems with shellfish. In a classic domino effect, the shellfish eat the algae and become contaminated with the toxins. People who eat the shellfish are also exposed to the poisons. In Prince Edward Island in 1988, three people died of paralytic shellfish poisoning (PSP) and more than 100 became sick after they ate contaminated shellfish.

PSP is one of five types of poisoning associated with harmful algae. It can cause tingling, numbness, drowsiness, fever, rash, and staggering. The most severe cases result in respiratory arrest within 24 hours of consumption of the toxic shellfish. Toxic algae have also been implicated in the deaths of right whales and other marine mammals.

The Gulf of Maine project will focus on Alexandrium, the species of algae that causes PSP. In previous studies, high concentrations of these algae have been found in the water of the Bay of Fundy and Casco Bay and in surf clams on Georges Bank. Water currents are known to carry the organisms far from the areas in which they initially grow. Researchers will attempt to identify these seed beds and the processes that promote Alexandrium growth.

Outbreaks of PSP and related illnesses are relatively rare because government agencies monitor shellfish on a regular basis. In 1972, New England's coastal waters had their first red tide outbreak, which led to closures of shellfish beds. Since then, according to the United Nations, New England waters have become a hot spot for Alexandrium. Harmful algal blooms occur yearly, although their duration and severity vary.

Russian Weekend *continued from page 2*

The weekend begins on Saturday morning with panels and presentations on the Maine-Russia connection. Anchoring the two days will be evening concerts presenting works by Tchaikovsky, Shostakovich, and Glinka. Sunday concludes with a Gala Russian Feast at Wells Conference Center.

New York-based Russian Consul General Nickolay Sadchikov will be the Symphony's special guest for the weekend.

The two-day event begins on Saturday with a conference, "The Maine-Russia Connection," sponsored by the College of Liberal Arts and Sciences. The conference will feature historical perspective offered by Christine Holden of the University of Southern Maine and Robert Jaster of the Richmond community as part of "Maine and Russia Through Time."

Their talks will be followed by a panel discussion examining the Sister Cities programs and Maine/Russia exchange opportunities. The work of Maine's Samantha Smith Foundation will be discussed by its founder Jane Smith.

Following a box lunch and a Russian Musical Interlude featuring UMaine's Anatole Wieck on violin and pianist Patricia Stowell of Orono, the conference will continue with "Commentary on Russian Music and Art," a panel discussion featuring Stowell, speaking on "The Russian Symbolist Movement"; Anthony Antolini of Bowdoin College, who will speak on "Why Russian Choirs Sound so Different"; and David Wilson, talking on the Surry Opera Company in Russia. The Surry Opera singers will perform *Prologue to Boris Godunov*.

Also that afternoon, a panel will convene to talk about youth exchanges between Maine and Russia.

Throughout the conference there will be an on-going video showing of the outstanding art collection of Russia's Hermitage Museum, and a display of Russian arts and crafts.

Saturday evening following the Bangor Symphony Orchestra Family Casual Concert, there will be a Post-Concert Party featuring the Liberty Balalaika Ensemble. Sunday's Bangor Symphony Orchestra's Classical Concert will be followed by the Gala Russian Feast. Both Symphony concerts will feature cellist Borislav Strulev as guest soloist.

Coordinating the Russian Weekend is Stanley Freeman, professor emeritus of education and Symphony vice president. ▲

ROTC VETERANS DAY OBSERVANCES, POW/MIA VIGIL

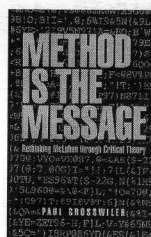
UMaine Army and Navy ROTC invite members of the University community to join in a Retreat Ceremony on Veterans Day. The ceremony is designed to honor all the service men and women who have served and are serving their country in the armed forces. The ceremony begins at 3:30 p.m., Tuesday, Nov. 11, at the flagpole on the hill overlooking the Stillwater River. The ceremony will feature a ceremonial retiring of the American flag.

In addition, Army and Navy ROTC will stand vigil for one hour shifts on the Folger Library steps beginning at 11 a.m. and continuing until 11 p.m. The vigil pays special tribute to Prisoners of War and those Missing in Action from Maine. A placard, with a by-name listing of all Maine POWs and MIAs, will be placed in front of the steps.

The national tradition of honoring American veterans began the year after World War I ended. President Woodrow Wilson proclaimed Nov. 11, 1919, as Armistice Day – a day to honor the 116,000 Americans who died in World War I. In 1954, Armistice Day was redesignated Veterans Day and given a broader scope. Today, all American veterans, living and dead, serving in war and peace, are honored.

V O L U M E S

Recent Works by University of Maine Authors

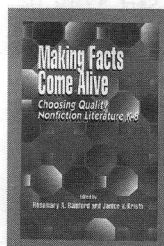


Method Is the Message: Rethinking McLuhan Through Critical Theory
by Paul Grosswiler
(Black Rose Books, Montreal 1998)

Marshall McLuhan was a Canadian literary scholar who turned to communication studies in the 1950s and 1960s. He argued that media have a powerful influence primarily because dominant media forms profoundly affect media content. He looked at the ways media shape individual perception and social institutions, both in history and today. "The medium is the message" was one of his many theorems.

McLuhan's theories are re-emerging in postmodern, cultural/critical media and social theory. In his first book, *Method Is the Message*, Associate Professor of Journalism and Mass Communication Paul Grosswiler looks at the McLuhan legacy and finds a common foundation between Marx's dialectics and McLuhan's communication theory. Drawing on early humanist Marxism and Western Marxism, Grosswiler determines that there are more bonds than differences between the two thinkers.

In this original assessment of McLuhan, Grosswiler compares McLuhan's process of media extension and Marx's dialectical analysis of social relations and history. Such a comparison shows that McLuhan's theories can enrich and be accommodated in cultural studies and critical theory. McLuhan's work also is examined in light of many theorists, including Jean Baudrillard, Umberto Eco, Walter Benjamin and Raymond Williams.



Making Facts Come Alive: Choosing Quality Nonfiction Literature K-8
Edited by Rosemary Bamford
and Janice Kristo
(Christopher-Gordon Publishers 1998)

In an age flourishing with nonfiction for children, the concern is how to make critical choices about what is the best for students in kindergarten through grade eight. The key is in identifying well-written and designed nonfiction books from out-of-date, poorly written titles in classroom collections in order to provide children with the highest quality for optimum learning.

Making Facts Come Alive brings together 16 educators who write about selecting and sharing the best in nonfiction with elementary and middle school students. It is divided into four parts, each focusing on an important aspect of the world of nonfiction – evaluation and selection; nonfiction literature as a gateway to imagination, investigation and inquiry; what happens when students and books come together; and authors and their books.

Editors of the volume, Professors of Education Rosemary Bamford and Janice Kristo, and two other members of the College of Education and Human Development faculty, contributed chapters to the book. Bamford and Kristo wrote a chapter, "Choosing Quality Nonfiction Literature: Examining Aspects of Accuracy and Organization," as well as "Resource Guides to Nonfiction Children's Literature" and an annotated bibliography of National Council on Teachers of English Orbis Pictus award-winning books.

Reading Recovery Director Paula Moore authored the chapter, "Choosing Quality Nonfiction Literature: Aspects of Selection for Emergent Readers," and Jeff Wilhelm, assistant professor of education, wrote on "Big Stuff at the Middle Level: The Real World, Real Reading, and Right Action."

"Gamete Dispersal and Pre-recruitment Mortality in Baltic *Fucus vesiculosus*," by **Ester Serrão** (Ph.D. '96), **Gareth Pearson** (postdoctoral fellow, '94-'96), **Lena Kautsky** (graduate faculty, '93-'96), Thomas Livbergren, and **Susan Brawley**, professor, School of Marine Sciences, was awarded the George Papenfuss Prize for the best poster presented in

ecology at the International Phycological Congress in Leiden, Netherlands, Aug. 9-16. Other presentations from Brawley's laboratory at the Congress were: "Phylogeny of the Fucaceae Based on DNA Sequences of rRNA-ITS," by Serrão and Brawley; "Gamete Release in Furoid Algae: Coupling of Water Motion Signals to a Turgor Change Response," by Pearson and Brawley; and "Dehydrin-like Proteins in Furoid Algae," by **Rui Li** (Ph.D. '97), Brawley and T. Close.

Judy Walker, assistant professor of communication disorders, presented the paper: "Functional Outcome: A Case for Mild Head Injury," to the 21st Annual Williamsburg Conference, a post-graduate course on rehabilitation of the brain injured adult and child, Williamsburg, June.

Luizhi Zhao, graduate student in the civil engineering department and the School of Marine Sciences, attended the "First U.S.-China Conference on Remote Sensing in the Oceans," Beijing, Aug. 11-13. He presented a paper: "Estimation of Extreme Wave Heights Using GEOSAT Measurements," co-authored by professor **Vijay Panchang**, School of Marine Sciences.

Edward "Sandy" Ives, director, Maine Folklife Center, **Pauleena MacDougall**, associate director, Maine Folklife Center, and **Mazie Hough**, staff associate, Women in the Curriculum, took part in a panel at the Oral History Association meetings in New Orleans, Sept. 26. The panel was: "Illuminating the Visible and Finding the Hidden: Women's History, Oral History, and Methodology." Hough's paper was: "We Are Not Here to Play God: The Birth Control and Battered Women's Movements"; MacDougall's paper: "Women's Stories, Women's Truth: Hidden Issues in Oral Histories." Ives provided commentary for the panel. Judith Moyer, University of New Hampshire, also read a paper for the panel.

David Payer, graduate student, Department of Wildlife Ecology, gave a paper: "Influence of Site-level Habitat Characteristics on Spatial Patterns of Habitat Use by American Marten in an Industrial Forest and a Forest Preserve in Maine," at The Wildlife Society National Conference, Snowmass, Colo., Sept. 25.

Carol Toner, Maine Studies certificate coordinator and research associate in history, presented a paper: "Women and Work: An Upper Level History Class on ITV and the Web," at the H-Net Conference: "Envisioning the Future: Creating the Humanities Classroom of the 21st Century," at Michigan State University, East Lansing, Sept. 27.

In September, **Patrick McMullen**, assistant professor of management, presented a paper: "Using Data Envelopment Analysis for Assessment of MBA Programs," at the Northeast Business and Economics Association's annual conference in Philadelphia.

Robert Dudley, graduate student in the civil engineering department and the School of Marine Sciences, attended: "Symposium on Marine Finfish and Shellfish Aquaculture, Marine Stock Enhancement, and Open Ocean Engineering," University of New Hampshire, Sept. 17-18. He presented a paper: "Application of Mathematical Models in the Environmental Regulation of Net-Pen Aquaculture," co-authored by professor **Vijay Panchang** of the School of Marine Sciences.

Howard Patterson, professor of chemistry, presented a paper: "Photoluminescence of $Tl[Ag(CN)_2]$: A New Class of Metal-Metal-Bonded Exciplex" co-authored by former Ph.D. graduate student **Mohammad Omary**, George Shankle, faculty member at Angelo State University, Texas, Zerihun Assefa, staff member, Oak Ridge National Laboratory, Tennessee, and Thomas Webb, faculty member, Auburn University, Alabama, at the 214th American Chemical Society National Meeting, Sept. 7-11, Las Vegas.

Dorothy Klimis, associate professor of clinical nutrition, and **Peyling Yang**, graduate student in food science and human nutrition, presented a paper: "Manganese Deficiency and Arterial Glycosaminoglycan Metabolism and Structure as Related to Atherosclerosis," at the Fifth International Symposium on Advances on Lipoprotein and Atherosclerosis in Athens, Greece, in April. The paper received "Best Research Paper Award."

Alfred Leick, professor in spatial information, and graduate student **Witchayangkoon Boonsap**, attended the international technical meeting of the satellite division of the Institute of Navigation, ION GPS'97, Kansas City, Sept. 16-19, and participated in a working group on GPS-GLONASS interoperability.

Sept. 24, Professor of Computer Science **George Markowsky**, presented a talk: "Skills-Based Systems: A Match Made in Heaven," at the 61st Annual Interstate Conference of Employment Security Agencies, Juneau, Alaska.

Howard Segal, Bird and Bird Professor of History, presented: "Recasting the Machine Age: Henry Ford's Village Industries and the Vision of Decentralized Technology for Modern America," at the Smithsonian Institution's National Museum of American History, Oct. 7.

Employees and students of the University of Maine who are members of the Franco-American Women's Institute (FAWI) presented two panels at the national conference on Inclusive and Interdisciplinary Curriculum: Building a New Curriculum in Portland, Sept. 10-13. The theme of the first panel was: "The History, Geography, and Presence of Franco American Women," with presentations by **Rhea Côté Robbins**, **Yvonne Mazerolle**, **Barbara Ouelette**, and **Deborah Ouelette Small**. The second panel focused on theory and projects for including Franco-American women's voices in the new curriculum, with presentations by **Kristin Langellier**, **Bonita Parent Grindle**, **Amy Bouchard Morin**, and **Lanette Landry Petrie**.

Professor Emeritus Harold Young Honored in German Magazine

Professor Emeritus of Forestry Harold Young received an international tribute in honor of his 80th birthday in the September issue of *Allgemeine Forst und Jagdzeitung* (Forestry and Hunting Magazine of Germany). Young, a member of the UMaine Class of '37, taught forestry at the University from 1948-1982. He is now a consultant with James Sewall Co., Old Town. The tribute, translated by Associate Professor of German Reinhard Zollitsch, follows:

The former director of the University of Maine's "Complete Tree Institute," Professor Harold Young celebrated his 80th birthday Sept. 4. Young, who during his long, active career worked hard to keep in touch with forestry researchers worldwide and reminded colleagues of the birthdays of significant researchers, now has himself become part of the history of forestry research.

His scientific career was significantly influenced by his internationally acclaimed teacher, Professor Schumacher of Duke University, where he earned his master's and doctorate. He then went to the University of Maine. After spending several years as an officer in the Armed Forces, he returned to Maine and was promoted to professor at age 42. Like Schumacher, Young started out in the traditional research areas of dendrometry, yield and forest inventory. Early on, he also was interested in aerial photography. But he gained his international recognition with his research in forest biomass.

Young attended national and international symposia and reported enthusiastically about his research results. He founded and for many years directed the IUFRO-Workshop "Biomass," and was thus able to direct and support the new direction in forest research worldwide. The University supported his work by creating an institute specifically designed for his research. With his staff, he established biomass tables for the most prevalent tree species of the Northeastern U.S., which indicate the percentage of dry mass of trunk, branches, leaves and roots, as well as their chemical composition.

Young not only did basic research but also established practical inventory methods for the forest, which allowed ascertaining the total biomass production of the forest without major extra costs. In collaboration with wood-harvesting machine companies and lumber companies, he created and supported new harvesting and processing methods for the biomass. Colleagues called him "Mr. Biomass," and with this expressed their respect for this extremely creative researcher.

When Young retired, he donated his forestry library to the African Forestry Department, and his research papers to the Forestry Department in Göttingen, Germany. Prior to his retirement, Young did extended research in Norway and Australia. His many publications, quoted even in German textbooks, form the basis of his worldwide recognition. In 1980, he was awarded the Heinrich-Christian-Burckhardt medal by the University of Göttingen in recognition of his scientific achievements.

Little Books *continued from page 8*

Moore was familiar with a series of books for young readers developed in New Zealand featuring short, simple stories that allow children to grasp the basic concepts. Through the Center for Early Literacy, a similar model was developed, focused on Maine scenes and children. The model used picture cues, repetitive key words, and complete sentence and story structure so young readers can make connections between illustration and text.

The model was sent to Reading Recovery leaders in public schools in the state, encouraging them to develop their own stories. The Center received about 50 submissions, 30 of which became the first set of "Little Books."

Since then the concept has caught on with teachers throughout Maine and as far away as Texas and California. To date, 2,000 sets of the first series of 30 books have been sold. Orders for a second series, issued last year, are expected to reach 1,000 sets.

Additional editions are planned. Moore and her collaborator on the project, Professor of Education Rosemary Bamford, are completing a Guided Reading series and a series of "Big Little Books." The Guided Reading series includes the most popular "Little Books," compiled into sets of eight for use in group work with children. The "Big Little Books," being released this fall, can be used on easels and include matching sets of "Little Books."

Friends of Early Literacy, a group of educators representing public schools, the University and the State Department of Education, underwrite the "Little Books" project, with proceeds benefitting The Early Literacy Fund of the University of Maine Foundation. The fund supports future projects in early literacy. ▲

Silent Spring *continued from page 8*

"*Silent Spring* was one of the first works to make us think about how we relate to the environment," says Laura Cowan, associate professor of English and co-director of the program. "Her work was really one of the first to explore the paradigm of humans not as dominators, but as participants in a natural community."

Highlighting the celebration will be a performance of *A Sense of Wonder*, actress Kaiulani Lee's one-woman play about Carson. The performance is set for 8 p.m., Wednesday, Nov. 19, Hauck Auditorium. Lee's original work, which has been performed nationally, captures Carson's love for the natural world and her fight to defend it. The first act takes place at Carson's summer home in Southport, amid her fight against cancer. The second act begins two months later, as she battles the chemical industry, the government and the press to get her warning to the American people after the release of *Silent Spring*.

"*Silent Spring* at 35" begins Tuesday, Nov. 18 with a showing of *Rachel Carson's Silent Spring*, a 1993 PBS special, scheduled for 4 p.m., Sutton Lounge, Union.

Keeping with the program's interdisciplinary nature, a faculty panel will offer perspectives on Carson's work at 3 p.m., Nov. 19, Bangor Lounge, Union, following the showing of the 1963 CBS documentary, *The Silent Spring of Rachel Carson*.

Ending the week will be a reading by Martha Freeman, editor of *Always, Rachel*, highlighting the letters of Carson to her close friend, Dorothy Freeman. The reading is set for 4 p.m., Thursday, Nov. 20, Sutton Lounge.

"Thirty-five years after *Silent Spring*, we still have broad use of chemicals in agriculture that are potentially dangerous," Cowan says. "It's an interrelated issue. All of the problems we face need to be approached from many different points of view." ▲

Nursing *continued from page 8*

The school of nursing, for instance, had just one blood pressure cuff. There were just a couple of sinks in an 80-bed hospital.

In some outlying villages, animals roamed freely, dropping their feces where children played. Thick smoke from open cooking fires choked the air. Diarrhea and respiratory ailments were common among children.

"I came away with how much they are lacking what we take for granted here, the needs for equipment and supplies," Symonds says. "Many of these people have to bring their own equipment – bedding, dressings."

At the same time, Symonds saw how truly appreciative people of the region are for the healthcare they receive.

This year, true to her teaching mission, Symonds wanted to involve students, believing they, too, could grow from observing healthcare along the Meskito Coast.

Macdonald, an executive's daughter who grew up in Latin America, accepted Symonds' invitation along with eight undergraduate seniors. For 10 days, the UMaine team assisted and observed doctors and nurses at a small hospital, in a healthcare clinic and in outlying villages.

They worked on a maternity ward, observing births and massaging the backs of women in labor. They administered fluids to dehydrated children in a pediatrics unit who had contracted diarrhea from poor sanitary conditions at home. They provided basic women's healthcare services such as Pap smears. They vaccinated children in schools.

Symonds believes the experience changed most of her students. Through the course Macdonald is developing with faculty, Symonds hopes to continue UMaine's link with the Meskito Coast, providing vital services in an impoverished region while giving students the kind of character-changing experience that will stay with them long after they leave UMaine.

"They have a whole different sense of themselves," Symonds says. "In the future, several of these students will continue to do volunteer work. They'll have a whole new framework."

Macdonald's adviser in the Rural Family Nurse Practitioner Program, Carol Wood, agrees. She, too, hopes the proposed course will broaden students' perspectives of their chosen profession and strengthen their commitments to public service.

"When they get down there and don't have the kind of equipment we have here, and they learn how to make do, they're much more likely to appreciate what they've got here rather than assuming this is how it is everywhere," says Wood, an associate professor of nursing who coordinates the nurse practitioner program. ▲

Maine Folklife Center

You might think that folk music disappeared with the waning of the '60s, and if one is discussing folk music as a mass-market form of entertainment this is largely correct. But folk music is still alive and well in its original form as music created by and for local people to describe their lives and the happenings that are significant or that resonate. The Maine Folklife Center houses a variety of recordings of this type of folk music – songs ranging from the funny to the tragic, from bawdy drinking songs to lullabies, from traditional ballads to satirical rewrites of popular songs. The Center has recently completed a song index to make it easier to locate a particular song. The index is alphabetical by song titles, and fills seven three-ring binders. Now when you're looking for *The Jam on Gerry's Rock* or want to hear the *Moose and the Campus Cop*, or if you want to know how Irish ballads survived in Maine and the Maritimes, this new index is the place to start.

Positions Available

The qualifications within the listings below are greatly abbreviated. In order to assess your background relative to the job and to submit the most effective application, contact the hiring department for more complete information. To appear in the Maine Perspective, advertisements must be submitted to the Office of Equal Opportunity, 318 Alumni Hall, no later than noon on Wednesday. Guidelines for filling professional positions are available by contacting the Office of Equal Opportunity, x1226. A Request to Fill form must be approved before posting in Maine Perspective.

OSHA Project Associate. Bureau of Labor Education. Full-time, one-year position based upon extramural project grant funding. Qualifications: Master's degree, or a bachelor's degree with equivalent work experience, in a social science field relating to occupational health and safety, labor relations, or labor/adult education. Ability and experience in teaching about OSHA's Process Safety Management Standard, hazard recognition, and abatement programs in construction; substantial experience in occupational health and safety, labor education or adult education, preferably in the building and construction industry. Ability to travel frequently, normally requiring a driver's license, and to work on a flexible work schedule including evenings and weekends. Salary Range: \$26,000-\$28,000, depending on qualifications and experience. Review of Applications: Will begin 11/14/97. Contact: Send letter of application and resume to: John Hanson, Director, Bureau of Labor Education, University of Maine, 5713 Chadbourne Hall, Orono, ME 04469-5713.

Thoreau Teaching Fellowship, Department of Sociology. Endowed one-year teaching residency for the 1998-99 academic year. Summer teaching may also be available. Qualifications: Primarily for graduate students who have completed all doctoral requirements except the dissertation. Interested in a broad range of upper-level courses and should have expertise in at least one of the following areas: race and ethnic relations; work and labor; health and medicine; aging and gerontology; complex organizations; social problems; popular culture; social change; social movements; and demography. Salary: Stipend of \$16,000, plus benefits. Review of Applications: Will begin 1/30/98 and continue until a suitable candidate is found. Contact: Send one or two page statement of interest, CV, writing sample, teaching portfolio, if available, a list of courses you would be eager to teach, and three letters of recommendation to: Chair, Recruitment Committee, Department of Sociology, University of Maine, 5728 Fernald Hall, Orono, ME 04469-5728.

Center for Adult Learning and Literacy Positions

Staff Development Specialist. Full-time, 12-month professional position, contingent on available federal funding. Qualifications: Required: Bachelor's degree required, master's degree preferred. Extensive experience in adult education and eligibility for certification as an adult education director or teacher. Excellent verbal and written communication and interpersonal skills. Ability to travel extensively both in- and out-of-state, normally requiring a valid driver's license. Preferred: Maine Adult Education and extensive experience in the Maine Adult Education standards process.

Technology Staff Development Specialist. Full-time, 12-month professional position contingent on available federal funding. Qualifications: Bachelor's degree required, master's degree preferred. Extensive experience in adult education and eligibility for certification as an adult education director or teacher. Excellent verbal and written communication and interpersonal skills. Ability to travel extensively both in- and out-of-state, normally requiring a valid driver's license. Preferred: Maine Adult Education and extensive experience in the Maine Adult Education Management Information System. Demonstrated ability to design newsletters and resource management skills.

For Both Positions: Salary: \$30,000. Review of Applications: Will begin 11/3/97. Contact: Send current resume, letter of application citing professional experience, sample of professional portfolio, and contacts for three letters of reference to: Evelyn Beaulieu, Director, Center for Adult Learning and Literacy, University of Maine, 5766 Shibles Hall, Orono, ME 04469-5766.

Assistant Professor (Speech Language Pathology), Department of Communication Disorders. Full-time, tenure-track faculty position. Qualifications: Required: Ph.D. and CCC-SLP and eligibility for Maine license in Speech Pathology. Preferred: Expertise in voice, augmentative communication, development or early intervention. Review of Applications: Will begin 1/10/98. Position Available: 8/31/98. Contact: D. Kimbrough Oller, Chair, Department of Communication Disorders, University of Maine, 5754 North Stevens Hall, Orono, ME 04469-5754.

Laboratory for Surface Science & Technology positions.

Research Assistant. Full-time, one-year appointment, with reappointment contingent on outside funding. Qualifications: B.S. degree in physics or chemistry (M.S. preferred), experience in ultra-high vacuum technology including operation of XPS. Salary Range: \$20,000-\$24,000.

Research Scientist. Full-time, one-year appointment, with reappointment contingent on outside funding. Qualifications: Ph.D. in physics; experience using electron beam and photon based instrumentation; strong computer skills. Salary Range: \$30,000-\$34,000.

For Both Positions: Review of Applications: Will begin 11/3/97. Contact: Send resume and names, phone numbers and addresses of three references to: Laboratory for Surface Science & Technology, Attention: R.J. Lad, University of Maine, 5764 Sawyer Environmental Research Center, Orono, ME 04469-5764.

Research Assistant of Insect Pest Management. Department of Biological Sciences. Full-time, fiscal-year appointment. Qualifications: Required: B.S. in entomology or related field; experience in insect-related laboratory research; ability to obtain Maine Pesticide Applicator's License within 6 months of employment start date; demonstrated good interpersonal skills; demonstrated good oral and communication skills. Preferred: Experience in maintaining insect colonies, conducting bioassays, supervising student workers, and data analysis. Salary Range: \$22,000-\$24,000, depending on qualifications. Review of Applications: Will begin 11/15/97 and continue until suitable candidate is found. Contact: Submit letter of application describing educational background, experience and interests relevant to the position; and names, titles, addresses, e-mail addresses, telephone and fax numbers of three references to: Randy Alford, Department of Biological Sciences, University of Maine, 5722 Deering Hall, Orono, ME 04469-5722. Telephone: (207)581-2964; Fax: (207)581-2969; e-mail: alford@maine.maine.edu

Archivist, William S. Cohen Collection. SEARCH REOPENED. Raymond H. Fogler Library professional two-year position. Extension beyond this period subject to availability of funds. Qualifications: Required: ALA accredited MLS with an emphasis on archives, or the equivalent graduate level training in archives management; demonstrated knowledge of the application of information technology to archives; evidence of effective planning and management skills; excellent oral and written communication skills. Preferred: Graduate degree in American history, politics or related subject area; supervisory experience; experience organizing political collections; experience with preservation/digitization projects. Salary Range: \$29,000-\$35,000. Review of Applications: Will begin 11/17/97 and continue until the position is filled. Contact: Send letter, resume and the names of three references to: Mary Casserly, Collection Development Division Head, University of Maine, 5729 Fogler Library, Orono, ME 04469-5729.

Assistant Professor of Forest Recreation Management. Department of Forest Management. Academic year (nine-month), full-time, tenure-track position (50% teaching and 50% research) Qualifications: Required: Ph.D., with at least one degree in forestry. Preferred: Background to include a B.S. in Forestry and graduate studies/experience in the management of forest-based recreational resources. Deadline for Applications: 12/1/97 or until a suitable candidate is found. Start Date: 9/1/98. Contact: Send resume, transcripts of all relevant academic work, and names and addresses of three references to: David Field, Chair, Department of Forest Management, University of Maine, 5755 Nutting Hall, Orono, ME 04469-5755.

Faculty position, Structural Engineering. Department of Civil and Environmental Engineering. Tenure-track position. Qualifications: Required: doctorate in civil engineering and baccalaureate training in civil engineering. Should be able to augment existing research programs in wood composites, FRP composites, or concrete structures and be able to teach a first course in steel design. Preferred: Prior teaching experience and a publishing record as a result of research involvement. Review of Applications: Will begin 1/1/98 and continue until a suitable candidate is found. Start Date: 9/1/98. Contact: Send applications, including resume, transcripts of academic work, teaching and research interest areas, publications list, and names of three references to: Willem Brutsaert, Chair, Department of Civil and Environmental Engineering, 5711 Boardman Hall, Orono, ME 04469-5711.

Classified Ads

Maine Perspective classified ads are free to faculty, staff and students at the University of Maine. Ads must be typewritten and include a telephone number. They will be published one week only unless otherwise specified. Send ads to: Maine Perspective Classifieds, Public Affairs.

FOR SALE

AUTOMOBILE: 1990 Ford Escort, inspection good till next March. Highway mileage. New tires, brakes, tune-up. Runs great. Asking \$1,400 or BO. Call 866-4754 and leave message.

AUTOMOBILE: 1991 Toyota Camry DX, 4-door, automatic, AC. From southern U.S. so no rust. Great condition. 95,000 miles. \$5,600. Call 866-7517.

AUTOMOBILE: 1985 Audi 5000S. Black. No rust. Runs great. Nice car. \$1,850. Call 884-8493.

FIREWOOD: All hardwood, cut, split, and delivered. \$100/cord. Call 827-7091.

HOUSE: 45 mins. from Orono, Acadia National Park, & Camden. Circa 1830 Maine Cape on 9 acres. 4-BR/2LR/DR/study/2 full baths/large kitchen. New furnace, water and sewer. 2-car detached garage with attic and wood alcove. Dog kennel with 2 runs. Very private. \$153,000. Call 469-7490.

HOUSE: Family home, 2,124 sq.ft./3BRs, 1.5 baths, large LR, large kitchen, formal DR with hardwood floors, laundry room on first floor, brick fireplace, deck, basement, garage, paved driveway. One owner, built new in 1985. Excellent condition, ready to move in. Rt. 2, Greenbush, 15 minutes from Orono. Sale by owner. Price reduced. Call 732-5171.

HOUSE: Old Town. Charming Cape/bungalow-style home in excellent condition. In-town, up-to-date interior, 3 BRs, 2 large full baths, kitchen, formal DR, LR, office/computer room, family room opening onto deck and large backyard, 2 porches. \$82,500. Call 827-2544 after 5 p.m., for more information.

MISCELLANEOUS: Looking for a Florida, Bahamas, or Las Vegas vacation? I have a package with all three. The package includes your motel rooms plus a free

cruise to the Bahamas; all meals on ship at a very reasonable price. Dates can be extended through June 1999. I also have a Singer sewing machine with carrying case for sale. Call Nancy, 827-4611, leave message.

MISCELLANEOUS: Pine bunk bed w/mattress, \$150; 4 five-drawer chests-\$65; matching sofa bed and chair, \$70 for both; table and four chairs, \$30. Call Ron, 942-5199, for information.

MISCELLANEOUS: Country-style blue sofa bed, \$80; and 18th century violin, sounds beautiful, with case, bow, and sheet music-, \$450. Call 866-0688.

FOR RENT

APARTMENT: Bangor. 2BRs with small study, LR, kitchen with appliances and full bath. Carpeted throughout, except in kitchen and bath. Convenient to hospitals, downtown and malls. Off Stillwater Avenue. Clean, quiet, bright and sunny rooms with large closets. Nice backyard and off-street parking. Heated, W/S, plowing and mowing included. \$495/mo., references and security. No dogs. Mature professional or couple. Call after 6 p.m., 941-6442 or leave message.

APARTMENT: Cozy, clean 1-BR apartment attached to family home in Winterport village. Has riverside location, private second-floor entrance, off-street parking. Easy half-hour drive to campus. \$375 monthly rent includes heat. Call 866-4798, 7 a.m.-9 p.m.

CONDO: Colburn Drive, Orono. 2 BR, 1 1/2 baths, partially furnished, deck, laundry hookups, pets negotiable, parking, negotiable lease, references required, walking distance to campus. Quiet residential area. \$500/month plus utilities. Call 942-5199 eves/weekends.

HOUSE: Two BRs, furnished, winterized camp on Old Town side of Pushaw Lake. 20-minute drive to campus. W/D, dock, canoe, and picnic table. Jan. 15-Aug. 15. \$525/month plus utilities. Security deposit required. Call 827-0522.

HOUSE: Professor's home in Orono, on quiet, dead-end residential street, 5-minute walk to center of campus. Fully furnished, 4 BRs, 2 baths, W/D, dishwasher, large backyard surrounded by trees. No smokers. Ideal temporary home for new or visiting faculty. Available Dec. 22-May 15. \$750/month plus utilities. Security deposit. Call 866-4070.

SERVICES

CHILDCARE: Give your child a strong start in a safe, caring, stimulating and attractive early education setting close to UMaine. Immediate preschool and after-school openings/full-time and part-time options. Visit us at The Sharing Place. Call 866-3313

FOREST SERVICES: Put the woodchuck on your side! Woodchuck Forestry offers a full line of professional forestry services including forest management planning, timber appraisals, timber sales administration, tree-growth plans and safety training. Contact Chuck, Woodchuck Forestry, 827-3034. Serving forest landowners in Maine since 1976.

Technology Coordinator. University of Maine Cooperative Extension. Full-time regular, fiscal-year professional position. Qualifications: Bachelor's degree and strong academic training in information systems management, computer science or related field; master's degree in an information-technology related field preferred. Must have thorough working knowledge of IBM-compatible computers including Windows 95 and Windows NT. Travel both in and out of state usually requiring a valid driver's license. Salary Range: \$28,000-\$35,000. Review of Applications: Will begin 11/14/97. Contact: Send letter of intent, resume, transcripts and three letters of reference to: Sandra Vaillancourt, Room 103, 5741 Libby Hall, Orono, ME 04469-5741. Phone: (207)581-3191; Fax: (207)581-3325.

Assistant Ice Hockey Coach for Women/Lecturer in Physical Education. Department of Athletics position. Qualifications: Required: BA degree, ice hockey coaching experience, excellent written and oral communication skills and ability to travel, normally requiring a valid driver's license. Preferred: Women's ice hockey coaching experience. Review of Applications: Will begin 11/7/97 and continue until a qualified candidate has been identified. Contact: Send resume and letter of application to: Rick Fillighera, Head Coach, 5701 Alford Arena, Orono, ME 04469-5701.

The University of Maine does not discriminate on the basis of race, color, religion, sex, sexual orientation, national origin or citizenship status, age, disability or veteran status, and promotes affirmative action for women, minorities, persons with disabilities and veterans. Unless otherwise specified, the jobs are full-time and the address for the application information is: the contact person listed, department, University of Maine, Orono, ME 04469.

Book Ends

New & Noteworthy at the University Bookstore

Space and the American Imagination, Howard E. McCurdy, Smithsonian, 1997. In this book, Howard McCurdy argues that America's ambitious space program taps into many of America's most deeply rooted cultural ideas; limitless power, the heroic explorer, the romance of aviation, and progress through technology. He also examines how Cold War fears fueled the expansion of the world's most extensive space program, convincing politicians that control of space meant control of the earth.

Derailed: What Went Wrong and What to Do About America's Passenger Trains, Joseph Vranich, St. Martin's Press, 1997. Joseph Vranich worked to create Amtrak, now nearly three decades later he declares it a "failed experiment." Free of his ties to the rail industry, today he candidly examines Amtrak's troubled history, and America's needs for train service today, and into the 21st century.

Popcorn, Ben Elton, St. Martin's Press, 1997. A satirical novel, tongue-in-cheek thriller, hip-comedy, British best-seller, *Popcorn* questions our society's addiction to murder and asks us "... is there such a thing as a responsible person? ... if John Grisham married Robin Williams, this is the book their love-child would write."

Violin, Anne Rice, Knopf, 1997. Anne Rice's new novel moves across time and the continents, from 19th century Vienna to a St. Charles Greek Revival mansion in present-day New Orleans to the dazzling capitals of the modern-day world. *Violin* is crowded with the history, the drama, the invention, and the romantic intensity that have become synonymous with Anne Rice at her incomparable best.

Comanche Moon, Larry McMurtry, Simon & Schuster, 1997. This is the final volume of the Lonesome Dove saga of the American West. This epic adventure full of heroism and tragedy, cruelty, courage, honor and betrayal, full capable of standing on its own, is an achievement in storytelling. Vividly imagined yet meticulous in its re-creation of the past, written by one of America's most distinguished novelists.

Also new:

Always Outnumbered, Always Outgunned, Walter Mosley, Norton, 1997.
Genealogy Online: Researching Your Roots (Web Edition), Elizabeth Powell Crowe, McGraw Hill, 1997.
The Forgetting Room, Nick Bantock, Harper Collins, 1997.

FALL HARVEST IS IN

The Black Bear Food Guild and Rogers Farm have produce for sale at farm on Bennoch Road. The newest produce includes:
Potatoes - Shepordy, Kennebec and Yukon Gold, graded, 50-pound bags, \$6.

**Squash
Pie Pumpkins
Tomatoes
Dry Beans**

For more information,
call Rogers Farm, 827-4695.

U.S. Department of Energy invites preapplications for partnerships between researchers in DOE-EPSCoR states and their counterparts at DOE National Laboratories, facilities, and centers. Grants of up to \$50,000 annually will initiate and promote collaboration in energy-related research and training. Deadline: Dec. 3.

National Science Foundation's new Experimental Software Systems Program supports projects with a software focus, experimental content, and a small team of investigators. Research may include software engineering experiments, experimental evaluation of algorithms, prototyping and evaluating novel software systems, experiments in distributed and parallel computing, or other topics. Deadline: Dec. 16.

Council of American Overseas Research Centers offers Fellowships for Regional Research in North Africa, the Middle East, and/or South Asia to scholars in the humanities and social sciences. Awards provide a stipend of up to \$6,000 and a travel grant of \$3,000 for at least three months of research, conducted in more than one country. Deadline: Dec. 31.

National Research Council appoints OERI Visiting Scholars for nine to 18 months of research in residence at one of the U.S. Department of Education's national research institutes. Interests include student achievement, curriculum, and assessment; the education of at-risk students; early childhood development and education; educational governance, finance, policy-making, and management; and postsecondary education, libraries, and lifelong learning. Deadline: Jan. 5.

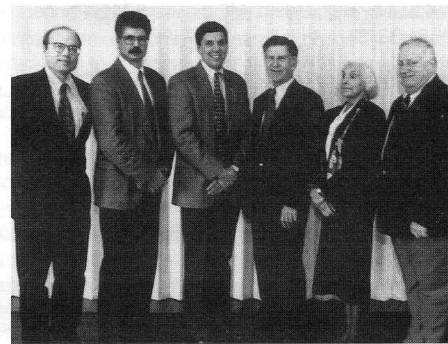
National Institute of Occupational Safety and Health supports applied research, demonstration, and advanced research training to prevent occupational diseases and injuries. Causal research, methods research, and control research are all eligible. Small grants for exploratory or pilot studies are also available.

Health Resources and Services Administration has published a preview of its anticipated FY98 calendar of grant competitions, including those of the Health Professions, Rural Health, and Maternal and Child Health Programs.

FOR MORE INFORMATION, CALL RESEARCH & SPONSORED PROGRAMS, X1476.

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE

The Institutional Animal Care and Use Committee (IACUC) recently revised the Protocol Review Form used for requesting approval for the use of live vertebrate animals in research, teaching, and testing. Contact Gayle Anderson, Research and Sponsored Programs, x1498, to request copies of the new form. Old copies of the form should be discarded (the new copy has an October 1997 date on the last page). We are hoping to have the form available soon to download from the Office of Research and Sponsored Programs Website - <http://www.ume.maine.edu/~spd/index.html>



The 1997 Combined Charitable Appeal for University Employees (CCAUE) has begun. Nearly 80 department volunteers attended an Oct. 22 kickoff luncheon to celebrate the beginning of this annual campaign benefiting hundreds of charities in the community, state,

and the world. Between now and Nov. 26, campaign volunteers will seek to reach a campuswide goal of \$72,000.

Speaking on behalf of President Hoff, Vice President for Student Affairs John Halstead praised the volunteers for their service and expressed his optimism about this year's appeal.

Three individuals were honored for their years of volunteer service to the University's employee giving program. Receiving awards for distinguished service were Judy Round, College of Natural Sciences, Forestry, and Agriculture; Candy Jordan, University Development Office; and Barbara Hikel, Research and Graduate Studies and this year's CCAUE co-chair.

Representatives of the participating charitable federations were on hand to share information about some of the causes that benefit from CCAUE. The 12-page CCAUE Contributor's Guide provides descriptions and designation code numbers for over 450 individual agencies represented by United Way, MaineShare, Combined Health Appeal, Earth Share, America's Charities, and International Service Agencies.

Among those attending the CCAUE kickoff luncheon were, left to right, Matthew Howe, coordinator of MaineShare; Scott Delcourt, CCAUE co-chair; Jeff Wahlstrom, executive director of the United Way of Eastern Maine; Tom Cordes with Church World Service and International Service Agencies; Barbara Hikel; and Townsend Southard, regional coordinator for America's Charities.

Photo by Monty Rand

Look for UMaine's Master Calendar on FirstClass, the Web

The University of Maine Master Calendar can be located on the Web at: <http://www.ume.maine.edu/~paffairs/perspectiveweb/mastercalendar.html>. In addition, the Master Calendar is now available on FirstClass. It is found in two folders - News Stand and Campus Activities.

What's Ahead



**MODEL TRAINS
at Page Museum
November 7-8**

**SPRING REGISTRATION
BEGINS
November 11**

**INAUGURAL CONVOCATION
November 20-21**

**THANKSGIVING BREAK
November 26-28**

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